

**REMARKS**

Claims 1-25 are pending in the application. Claims 1-25 are rejected.

Claims 1, 7, 12, 16, and 26 were rejected under 35 USC102(b) as being anticipated by Farjad-Rad. Claims 2-5, 8, 10, 11, 13, 14, 17, 19, 27, and 29 were rejected under 35 USC 103(a) as being unpatentable over Farjad-Rad in view of Park. Claims 6, 15, and 28 were rejected under 35 USC 103(a) as being unpatentable over Farjad-Rad in view of Chen. Claims 20, 23, 25, 30, and 31 were rejected under 35 USC 103(a) as being unpatentable over Farjad-Rad in view of Park, and further in view of Chen. Claims 22 and 24 were rejected under 35 USC 103(a) as being unpatentable over Farjad-Rad in view of Park and Chen, and further in view of Tonietto. Claims 21 and 32 were rejected under 35 USC 103(a) as being unpatentable over Farjad-Rad in view of Park and Chen, and further in view of Sakaki. Claims 1, 12, and 20 include "... a summer coupled to the sampler and the filter, said summer combines together the input communication signal with the equalization signals ....". The references of record do not show, teach, or suggest the above recited limitations of claims 1, 12, and 20. The references of record fail to teach that a summer combines the input communication signal with the equalization signals. In Farjad-Rad the N samples are added or subtracted to provide the filter output. Nothing in Farjad-Rad teaches combining the filter output with the input communication signal. The summer 20 in Farjad-Rad does not combine the input communication signal with the equalization signals. See Col 5, lines 57-66. Claims 2-11 depend from claim 1. Claims 13-19 depend from claim 12. Claims 21-25 depend from claim 20. Therefore, claims 1-25 are believed to be allowable over the references of record.

It is believed that the above remarks are fully responsive to the Official Action. Reconsideration and allowance are therefore respectfully requested.

Should the Examiner have further inquiry concerning these matters, please contact the below named attorney for Applicant.

Respectfully submitted,

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